

585832

APC Rec'd PCT/PTO 12 JUL 2006

Attorney Docket No. 06460/LH

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**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Date of Deposit: July 12, 2006

Applicant(s): T. TESHIROGI et al

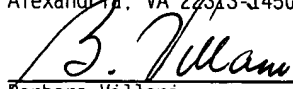
Serial No. : National Phase of  
PCT/JP2005/020859

Filed : Herewith

For : CIRCULARLY POLARIZED  
ANTENNA AND RADAR  
DEVICE USING THE SAME

Art Unit :  
Examiner :

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Barbara Villani

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No. 06-1378.

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450,  
Alexandria, VA 22313-1450

S I R :

Submitted herewith are copies of the publications (U.S.  
patent publications are not enclosed) identified on the attached  
Patent Office forms PTO/SB/08A and 08B. Also enclosed is an  
International Search Report.

The literature publications (Nos. 1-4) identified on form  
PTO/SB/08B are discussed on pages 2-6 of the specification.

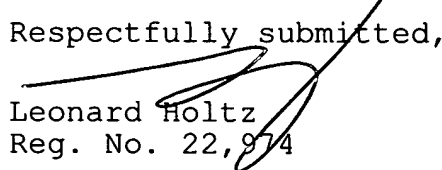
USP 6,218,610 is a family member of JP 1999-017377.

US Patent Publication 2004/0012529 is a family member of  
WO 2003/021824.

USP 6,768,469 is a family member of JP 2005-525735.

It is respectfully requested that the publications submitted  
herewith be considered and made of record.

Respectfully submitted,

  
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Reg. No. 22,974

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12 JUL 2006

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PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number		10/585832	
				Filing Date		Herewith	
				First Named Inventor		TESHIROGI	
				Group Art Unit			
				Examiner Name			
Sheet	1	of	2	Attorney Docket Number		06460/LH	

U.S. PATENT DOCUMENTS

Exam. Initials	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
		6,218,610	B1	SUZUKI	04-17-2001	
		2004/0012529	A1	TESHIROGI et al	01-22-2004	
		6,768,469	B2	HAGER et al	07-27-2004	

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
		JP	3-267804	A		11-28-1991		
		JP	11-308044	A		11-05-1999		
		JP	2001-251132	A		09-14-2001		
		JP	11-17377	A		01-22-1999		
		JP	2005-525735	A		08-25-2005		
		PCT	WO 03/021824	A1	TESHIROGI et al	03-13-2003		x*
			*includes English abstract					

Examiner Signature	Date Considered
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<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPBP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Place a check here if English translation is attached.

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				Filing Date	Herewith
				First Named Inventor	TESHIROGI
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	06460/LH
<b>OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
		1. FCC 02-48 New Part 15 Rules; FIRST REPORT AND ORDER; pp. 2-4; 72-78; 103-116; April 2002.  2. FCC 04-285; SECOND REPORT AND ORDER AND SECOND MEMORANDUM OPINION AND ORDER; pp. 20-21; Dec. 16, 2004.  3. T. TESHIROGI et al; RESIDUAL-CARRIER FREE BURST OSCILLATOR FOR AUTOMOTIVE UWB RADAR APPLICATIONS; Electronics Letters, April 2005; Vol. 41, No. 9.  4. H. NAKANO et al; TILTED AND AXIAL BEAM FORMATION BY A SINGLE ARM RECTANGULAR SPIRAL ANTENNA WITH COMPACT DIELECTRIC SUBSTRATE AND CONDUCTING PLANE; IEEE; Trans. AP, Vol. 50, No. 1, pp. 17-23; January 2002.  5. T. TESHIROGI et al; WIDEBAND CIRCULARLY POLARIZED ARRAY ANTENNA WITH SEQUENTIAL ROTATIONS AND PHASE SHIFT OF ELEMENTS; Proc. Of ISAP'85; 024-3; pp. 117-120; 1985.			
Examiner Signature		Date Considered			

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